WHAT IS CLAIMED IS:

1. An image recording apparatus which records image signals in a compressed state into a recording medium on which a plurality of unit recording zones each of which has a first size are formed, comprising:

an inputter for inputting the image signals;

a compressor for compressing each of the image signals inputted by said inputter into a second size which is equal to or smaller than 1/N (N : integer) of the first size; and

a recorder for respectively recording compressed image signals generated by the compressor into the unit recording zones.

2. An image recording apparatus according to claim 1, wherein said recorder includes a searcher for searching unit recording zones each of which is in a vacant state, a writer for writing the compressed image signals into the unit recording zones discovered by said searcher, and a creator for creating link information indicating a link state of the unit recording zones in which the compressed image signals are written.

3. An image recording apparatus according to claim 2, further comprising:

an assigner for assigning a successive identifying number to each of the compressed image signals;

an acceptor for accepting a restoring instruction of said link information; and

a restorer for restoring said link information on the basis of said identifying number in accepting said restoring instruction.

4. An image recording apparatus according to claim 1, wherein N = 1 is true, and said recorder brings a forefront of each of the compressed image signals into being coincident with a forefront of each of the unit recording zones.

5. An image recording apparatus according to claim 1, wherein $N \geqq 2$ is true, and said recorder includes a detector for detecting a difference between each size of the

compressed image signals and the second size, and a former for forming an interval equivalent to the difference between a compressed image signal to be recorded this time and a compressed image signal to be recorded next time in the same unit recording zone.

6. An image recording apparatus according to claim 1, wherein said compressor repeatedly carries out a compression process up to each size of the compressed image signals being equal to or smaller than 1/N of the first size.

7. An image recording apparatus according to claim 1, wherein each of the image signals is a still image, and said compressor performs a compression process in accordance with a JPEG format.

8. A surveillance camera provided with an image recording apparatus according to any one of claims 1 to 7.